

| PROCEDURE: 3067 |
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DATABASE ADMINISTRATION

| DATE: 08/13/87 |
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| TITLE: Availability of ADS/TRACE System |
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| Purpose |
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To announce the availability of ADS/TRACE System.

| General Information |
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ADS/TRACE is a software tool supplied by DBMS, Inc. it provides for comprehensive or selective tracing of database verbs, control commands, specified element values, define subroutine statements and a specified segment of a process in a dialog. during the execution of ADS/ONLINE dialog ADS/TRACE produces an online TRACE which helps the program developers to identify the causes of dialog errors at the terminal.

| Exceptions and Exclusions |
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Internal TRACE may not be used.

| Use of ADS/TRACE |
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1. Enter task code 'ADST' on the IDMS system prompt screen.
2. ADS/TRACE main menu screen will be displayed.
 - a. Dictionary: the name of the dictionary to which you are signed on.
 - b. Menu selections: numbers and descriptions of the available options are displayed. Enter 1 to build TRACE code.

| Building TRACE Code |
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1. Enter the name of the dialog to be traced in the space under dialog name. The ADS/TRACE responds by listing the processes in the dialog.
2. Enter the letters indicating the TRACE options for each process to be traced.

3. The message 'PROCEED WITH AD SG FOR TRACED DIALOGS-INCLUDE AT-LINK-RECORD' appears in the common message area.
4. The generator also confirms the options selected by the user by displaying a message next to each traced process.
5. Add work record ' AT-LINK-RECORD ' to the dialog in adsg and regenerate the dialog.
6. Execute the dialog.

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| TRACE Replay |
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1. Enter option 2 in the main menu screen to go to select replay screen. enter "V" in the opt column to view a replay.
2. Printing the replay: press pf11 to access the print replay screen and print the replay.
3. Moving the replay to a queue: press pf10 to access this screen and place the replay in a queue. one can retain the replay in a queue for a maximum of 9 days.
4. Creating a replay from the queue: enter 3 to access this screen from the main menu. enter a 'C' in the opt column . the replay created is ready for selection from the select replay screen. to delete a replay from the queue enter "C" in the opt column .

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| Removing the TRACE |
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1. Enter 'X' or 'A' in the TRACE off column on the build TRACE code screen.
2. Remove the work record ' AT-LINKRECORDd ' from the dialog and regenerate the dialog after making necessary corrections in the process codes if needed.

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| Operational Considerations |
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ADS/TRACE uses the name of a traced dialog to identify the scratch area assigned to replays of that dialog. if a scratch area is identified by the name of the dialog, then the name of the area should be changed before executing a TRACE dialog of the same name.

Do not change any of the generated code.

If the element value (exhibits) or literal statements are to be displayed, insert them before accessing the ADS/TRACE. the syntax is :

exhibit element-name.
exhibit element-name of record-name.
literal alphanumeric characters.

The ADS/TRACE comments out the exhibit and literal statements. to remove the exhibit or literal statements enter 'A' in the TRACE off column or physically remove the statements from the process codes and turn the TRACE off.

Tracing an Included Process

The ADS/TRACE does not TRACE included modules unless they are specifically designated. to TRACE an entire dialog with tracing of an included module, enter the dialog's name on the build TRACE code screen. when the list of the processes is displayed, enter TRACE options for the processes listed. then key in the included process name and appropriate TRACE on option and any non-blank character in the 'IN' column.

To TRACE only an included process enter the process name in the build TRACE code screen and the TRACE option. leave the 'IN' column blank. there must be at least one process in the dialog that is not marked in the 'IN' column.

If an included process or module is used in several dialogs then the included TRACE on option affects all of the dialogs. to execute each dialog using a traced included process, add the at-link-record (version 1) in adsg.